

Table S2. Three-way ANOVA for the effects of nitrogen concentration (N), phosphorus concentration (P) and endophyte (E) on aboveground biomass, underground biomass, plant height and number of tillers of *Hordeum brevisubulatum*. N×P: interaction of N and P, N×E: interaction of N and *Epichloë bromicola*; P×E: interaction of P and *E. bromicola*; N×P×E: interaction of N, P and *E. bromicola*.

Treatments	dF	Aboveground biomass		Underground biomass		Plant height		Number of tillers	
		F	P	F	P	F	P	F	P
N	2	57.684	<0.001	9.919	<0.001	173.007	<0.001	72.580	<0.001
P	2	66.365	<0.001	51.919	<0.001	150.507	<0.001	54.612	<0.001
E	1	0.298	0.587	1.124	0.293	5.670	0.021	2.621	0.107
N×P	4	20.093	<0.001	7.017	<0.001	22.952	<0.001	12.188	<0.001
N×E	2	1.585	0.212	0.769	0.467	2.007	0.144	1.018	0.363
P×E	2	0.671	0.515	2.095	0.130	1.017	0.368	2.031	0.133
N×P×E	4	0.423	0.792	6.558	<0.001	2.089	0.095	0.451	0.772